
Editorial

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Biographical notes: J. Rech received his PhD in Mechanical Engineering from the 'Ecole Nationale Supérieure d'Arts et Métiers', Paris, France. He is now the Head of the Department of Manufacturing Engineering at the 'Ecole Nationale d'Ingénieurs de Saint-Etienne', Saint-Etienne, France. He is leading a research team in the Laboratory for Tribology and Systems Dynamics (LTDS) in the field of machining processes. He is a member of the editorial boards of three international journals. He has more than 150 articles in refereed international journals and conferences.

A. Dogui is a Professor and the Director of the Laboratory of Mechanical Engineering (LGM) at the Ecole Nationale d'Ingénieurs de Monastir. He is leading a research team in modelling of materials behaviour at finite strain

W. Ben Salem is a Researcher at the Laboratory of Mechanical Engineering (LGM) at the Ecole Nationale d'Ingénieurs de Monastir. He is conducting research in the field of conventional and non conventional machining processes.

H. Hamdi is a Researcher at the 'Ecole Nationale d'Ingénieurs de Saint-Etienne'. He is working on material forming processes. He specialises and is in-charge of the improvement of grinding and all other manufacturing processes. He is more especially interested in thermal and metallurgical affections in order to model induced residual stresses.

This special issue contains ten peer-reviewed papers selected into the 6th Journées Scientifiques en Mécanique et Matériaux (JSTMM) International Conference held in Monastir (Tunisia) in November 2008. The main topic of the conference was concerned with ‘Cutting: experiments and modelling’. The conference was jointly organised by the Laboratory of Mechanical Engineering (LGM, Monastir in Tunisia) and the Laboratory of Tribology and Systems Dynamics (LTDS, Saint-Etienne and Lyon in France). The objective of the conference was to gather experts from industry and academia, both to present and discuss recent advances in modelling of machining operations.

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